LINK ELECTRONICS, INC.

16x16 SDI Video Only Router

Model 861-XL1616D

MADE IN THE USA

- **16 x16, SDI, Video Only**
- **Local or Remote Control Panel**
- **AFV, breakaway, or X-Y Control Available**
- **Maximum of 256 Remote Panels**
- **RS-232 Serial Control, Standard**

The 800 Series Routing Switchers are wide bandwidth vertical interval switchers designed for professional video production facilities. The compact design of Link's routing switchers makes them an essential part of any facility.

Packaged in a 19" rack mountable chassis, the switchers are supplied with a single front-loaded power supply. An optional redundant power supply is available. High quality front panel push buttons are used for selection of inputs and outputs.

Remote control panels are interconnected with standard Ethernet 10Base2 single coax connections. RS-232 is provided through a standard D-sub connector. Panels can be set to control a single output bus or the entire matrix. The router includes the local control panel for audio break-away.

The Link Switcher's flexibility is unmatched in the industry. Modular construction offers unique flexibility to the user, and provides an easy means of adding additional features or upgrading to digital modules. Power supplies are accessible from the front of the unit and may be easily installed or removed. Analog switchers can easily be upgraded to digital by adding field installable modules.

Industry standard BNC connectors are used for video inputs and removable 3-Pin connectors are used for stereo audio inputs and outputs.

Routers are available for analog video only, analog video with stereo audio follow, digital video only, and digital video with two-stream AES/EBU audio follow. SUPPLIED WITH CONTROL PANEL WITH AUDIO BREAK-AWAY.

The Link 16 x16 routing system features:

- Modular Design – plug-in modules for video & audio. No active components on the frame.
- Two power supply slots are accessible from the front panel. One power supply is standard.
- A redundant power supply is available as an option.
- Detachable X-Y front panel control with Ethernet 10Base2 coax connection.
- Analog video only models and models with audio follow video.
- Digital video only models and models with analog audio follow.
- Digital video only models and models with digital audio follow.
- RS-232 control standard.
- The 16X16 Video switcher is in a 1 RU and the audio follow in a 1 RU

<u>Remote Mounting Kits for Control Panels</u>

The supplied control panel for all switchers is shipped installed into the front of the main electronics chassis. The control panel can be removed from the electronics chassis in the field and installed into a remote mounting kit. The mounting kit hardware includes rack-mounting hardware for the control panel, a blank panel(s) that is installed onto the front of the electronics chassis, and a power supply. Order the appropriate rack mounting kit from the list below:

861-XL1616D	16 x16 Analog Video Only Routing Switcher	One Rack
861-XL1616G	16 x16 Analog SDI Video Routing Switcher with Stereo Audio Follow Video	One Rack
861-XL1616F	16 x16 Analog SDI Video Routing Switcher with AES Audio Follow Video	One Rack

LINK ELECTRONICS, INC. 2137 Rust Avenue Cape Girardeau, MO 63703-7668

Phone 573 334 4433 FAX 573 334 9255

16 x 16 Routing Switcher

MODEL 861-XL1616D

SDI VIDEO INPUT:

Format: . . . . . SMPTE 259
Number: 16
Video Level: . . . . . 800 mV
Impedance: . . . . . 75**S** Looping
Coupling: . . . . . AC
Connector: . . . . . BNC
Return Loss: . . . . . 15 dB @ 400mbps

SDI VIDEO OUTPUTS:

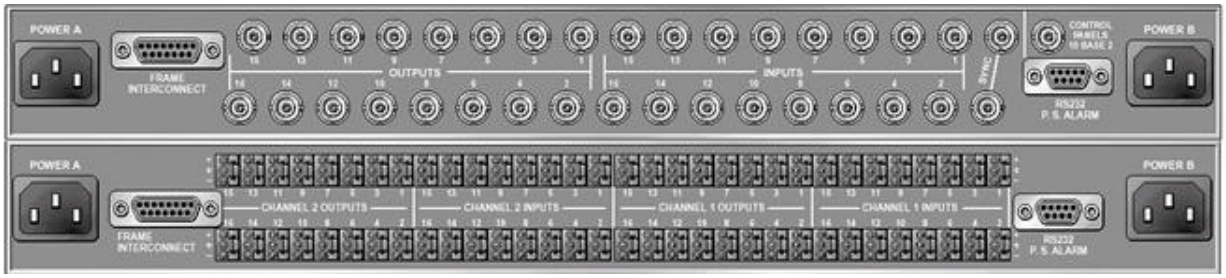
Number: 16
Connector: . . . . . BNC
Level: . . . . . Unity Gain,±0.1 dB
Character Video: . . . . . 90 IRE Units
Return Loss: . . . . . 12dB to 400mbps
Impedance: . . . . . 75**S** ±1%
Vertical Interval Switching: . . . . . Line 6, NTSC
Frequency Response: . . . . . ±0.1dB to 5MHz
. . . . . -3.0dB to 50MHz
Differential Gain: . . . . . 0.10%, 10% to 90% APL
Differential Phase: . . . . . 0.10°, 10% to 90% APL
Crosstalk: . . . . . 62dB to 5 MHz, worse case
Propagation Delay: . . . . . 5 nS, typical
Hum and Noise: . . . . . >60dB to 5 Hz
DC Offset: . . . . . <25mV
Line Rate Tilt: . . . . . <0.1%
Field Rate Tilt: . . . . . <0.1%
SNR: . . . . . -73dB

ENVIRONMENTAL:

Temperature: . . . . . 0° to 50° C ambient
Humidity: . . . . . 10%/90% non-condensing
Power: . . . . . 9.5 VAR
AC Voltage: . . . . . 120/240 VAC±10%, 50/60Hz

MECHANICAL:

Height: . . . . . 1.75 inches
Width: . . . . . 19 inches
Depth: . . . . . 9.25 inches
Weight: 9lbs



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